03050103-050

(Fishing Creek)

General Description

Watershed 03050103-050 is located in York County and consists primarily of ***Fishing Creek*** and its tributaries from its origin to its confluence with Wildcat Creek. The watershed occupies 31,765 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Cecil-Appling-Hiwassee series. The erodibility of the soil (K) averages 0.25; the slope of the terrain averages 6%, with a range of 2-15%. Land use/land cover in the watershed includes: 52.0% forested land, 24.4% agricultural land, 5.9% urban land, 1.7% barren land, 0.8% water, and 15.1% scrub/shrub land.

Fishing Creek originates near the City of York, and this stream segment accepts drainage from Langham Branch and Hope Branch. There are several lakes and ponds (totaling 152.1 acres) used for recreation and flood control in this watershed and 38.0 stream miles, all classified FW.

Water Quality

Station #	Type	Class	Description
CW-029	P	FW	FISHING CREEK AT SC 49 NE YORK
CW-031	BIO	FW	FISHING CREEK AT SC 161
CW-005	P/BIO	FW	FISHING CREEK AT S-46-347 DOWNSTREAM OF YORK WWTP
CW-225	S/BIO	FW	FISHING CREEK AT S-46-503

Fishing Creek - There are four monitoring sites along this upper section of Fishing Creek. Aquatic life uses are fully supported at the furthest upstream site ***(CW-029)***. Significant decreasing trends in five-day biochemical oxygen demand and total nitrogen concentrations suggest improving conditions for these parameters. Recreational uses are not supported due to fecal coliform bacteria excursions. At the next site downstream ***(CW-031)***, aquatic life uses are fully supported based on macroinvertebrate community data.

Further downstream ***(CW-005)***, aquatic life uses are partially supported based on macroinvertebrate community data. A significant decreasing trend in total phosphorus concentrations suggests improving conditions for this parameter. Recreational uses are partially supported due to fecal coliform bacteria excursions. Aquatic life uses are fully supported at the furthest downstream site ***(CW-225)***. There is a significant decreasing trend in pH. The PAHs fluoranthene, phenanthrene, and pyrene were detected in the 1994 sediment sample. Recreational uses are not supported due to fecal coliform bacteria excursions.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM ***NPDES#***
FACILITY NAME ***TYPE***
PERMITTED FLOW @ PIPE (MGD) ***LIMITATION***
COMMENT

FISHING CREEK CITY OF YORK/FISHING CREEK WWTP PIPE #: 001 FLOW: 2.0 WQL FOR BOD_5, NH3-N, TRC, DO	SC0038156 MAJOR DOMESTIC WATER QUALITY
FISHING CREEK TRIBUTARY SCANA PROPANE STORAGE, INC. PIPE #: 001 FLOW: 0.01 WQL FOR BOD_5, NH3-N, TRC, DO	SC0046248 MINOR INDUSTRIAL WATER QUALITY
HOPE BRANCH MCAFEE MHP PIPE #: 001 FLOW: .018 WQL FOR NH3-N, TRC, DO	SC0027111 MINOR DOMESTIC WATER QUALITY

Nonpoint Source Management Program

Mining Activities

MINING COMPANY ***MINE NAME***	***PERMIT #*** ***MINERAL***
ALBERT D. OLIPHANT INTERPROP 49/5 MINE	1096-91 SAND/CLAY

Land Disposal Activities

Landfill Facilities

SOLID WASTE LANDFILL NAME ***FACILITY TYPE***	***PERMIT #*** ***STATUS***
YORK COUNTY LANDFILL MUNICIPAL	461001-1101 (DWP-103, DWP-085, DWP-010, 461001-1102, 461001-6001) CLOSED
ROGERS CELLULOSIC LANDFILL CONSTRUCTION	462427-1201 (CWP-017) ACTIVE

Growth Potential

The majority of growth in this watershed is concentrated around the City of York. Water and sewer service are available in York and in several surrounding areas. The East York Industrial Park is a factor in the future development of the area. Another factor that may promote growth includes the rail lines from York to the Cities of Rock Hill, Columbia, and Charlotte.

Watershed Protection and Restoration

Special Projects

NPS Assessment and TMDL for Phosphorus in the Catawba River Basin

SCDHEC has contracted with the University of South Carolina to quantify relationships between land use and water quality in the Catawba River Basin. The project will evaluate these relationships using the WARMF model, which will be used to develop a TMDL for total phosphorus in Fishing Creek

Reservoir, Cedar Creek Reservoir, and Lake Wateree. The TMDL is being developed in cooperation with the North Carolina Division of Water Quality and will involve stakeholders in the basin. Additional information about the TMDL development process can be found in Appendix B.